

$^{10}\text{Be}(\mathbf{p},\gamma)$ res 1970Go04,1973Go09

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

1970Go04,1973Go09: $^{10}\text{Be}(\mathbf{P},\gamma)$ E=0.6-6.3 MeV, measured $\sigma(E, E_\gamma, \theta(\gamma))$. ^{11}B deduced isobaric analog resonances, J, π , Γ -level.

2006Fo14: $^{10}\text{Be}(\mathbf{p},\gamma)$, E≈0.5-2.5 MeV; analyzed data. ^{11}B deduced resonance energy, width.

2007Ba54: $^{10}\text{Be}(\mathbf{p},\gamma)$, E<2.1 MeV; analyzed cross sections. ^{11}B deduced level widths.

 ^{11}B Levels

E(level)	J^π	$T_{1/2}$	Comments
0	$3/2^-$		
2.12×10^3	$1/2^-$		
12.18×10^3 ? 4		230 keV 90	
12.56×10^3 3	$1/2^+, (3/2^+)$	230 keV 65	$T=3/2$; $\Gamma_{\gamma 0}=10$ eV +7-5; $\Gamma_{\gamma 1}/\Gamma_{\gamma 0}=0.25$ 8
12.91×10^3 2	$1/2^-$	235 keV 27	$T=3/2$; $\Gamma_{\gamma 0}=29$ eV 9; $\Gamma_{\gamma 1}/\Gamma_{\gamma 0}<0.06$
14.33×10^3 2	$5/2^{(+)}, (3/2^-)$	255 keV 36	$T=3/2$; $\Gamma_{\gamma 0}=14.5$ eV 43; $\Gamma_{\gamma 1}/\Gamma_{\gamma 0}<0.1$
15.32×10^3 9		635 keV 180	$T=3/2$